

## ABSTRACT

### Polymer compositions intended for the manufacture of pipes for conveying hydrocarbons and articles based on these compositions

Polymer compositions based on vinylidene fluoride resins which are particularly suitable for the manufacture of pipes for conveying hot hydrocarbons under pressure, comprising by weight;

- (A) from 60 to 80 % of at least one PVDF homopolymer;
- (B) from 20 to 40 % of at least one thermoplastic copolymer of vinylidene fluoride ( $\text{VF}_2$ ) and of at least one other fluoromonomer (for example hexafluoropropylene, chlorotrifluoroethylene or trifluoroethylene), containing approximately from 5 to 25 % of this other monomer; and
- (C) a plasticizer, in proportions of 5 to 20 % [relative to the total weight of the polymers (A) and (B)], preferably dibutyl sebacate or a polyester of molecular mass of between 1500 and 5000.

No figure